	Application No.	Applicant(s)
Notice of Allowability	10/031,842 Examiner	BECKER ET AL. Art Unit
	Shamim Ahmed	1765
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS (herewith (or previously mailed), a Notice of Allowance (PTOL-85) of NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIC of the Office or upon petition by the applicant. See 37 CFR 1.313	OR REMAINS) CLOSED in to other appropriate commune GHTS. This application is su	this application. If not included
1. \boxtimes This communication is responsive to $\underline{7/26/04}$.		
2. X The allowed claim(s) is/are 49,50,52-58 and 60-67.		
3. \boxtimes The drawings filed on <u>22 January 2002</u> are accepted by the	Examiner.	
 4. Acknowledgment is made of a claim for foreign priority und a) All b) Some* c) None of the: 1. Certified copies of the priority documents have to certified copies of the priority documents have to copies of the certified copies of the priority documents have to copies of the certified copies of the priority documents have to copies of the certified copies of the priority documents have to copies of the priority documents have to copies of the certified copies of the priority documents have to copies of the priority documents have	been received. been received in Application	No
Applicant has THREE MONTHS FROM THE "MAILING DATE" o noted below. Failure to timely comply will result in ABANDONME THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	f this communication to file a ENT of this application.	reply complying with the requirements
 A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which gives 	ted. Note the attached EXAN reason(s) why the oath or c	MINER'S AMENDMENT or NOTICE OF declaration is deficient.
 CORRECTED DRAWINGS (as "replacement sheets") must (a) including changes required by the Notice of Draftsperso 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.8 each sheet. Replacement sheet(s) should be labeled as such in the paper No./Mail Date DEPOSIT OF and/or INFORMATION about the depositatached Examiner's comment regarding REQUIREMENT Formatting Requirement Section Requirement Requ	n's Patent Drawing Review (Amendment / Comment or ir 4(c)) should be written on the header according to 37 CFR it of BIOLOGICAL MATER	n the Office action of drawings in the front (not the back) of 1.121(d). RIAL must be submitted. Note the
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No./Mail Date 8/20/04 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Sun Paper No./M), 7. ☐ Examiner's A	rmal Patent Application (PTO-152) nmary (PTO-413), lail Date mendment/Comment tatement of Reasons for Allowance SHAMIM AHMED PATENT EXAMINER

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REASONS FOR ALLOWANCE

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1. Claims 49-50,52-58,60-67 are allowed.

- 2. The following is an examiner's statement of reasons for allowance: Applicant's arguments are persuasive as to the fact that the prior art does not teach or suggest an etching process using a device having an inductively coupled plasma (ICP) source configured to generate a high-frequency electromagnetic alternating field including the step of producing a variably adjustable high-frequency power, which is coupled as plasma power into the ICP and which power is periodically varied or pulsed as the context of claim 49.
- 3. The closest prior art Lymberopulos et al (6,247,425) disclose a process for etching a substrate using ICP source, which is generating a high-frequency electromagnetic alternating field, wherein magnetic field is varied or pulsed (col.8, lines 50-51 and col.9, lines 28-42).

Lymberopulos et al but fail to teach producing a variably adjustable highfrequency power, which is coupled as plasma power into the ICP and which power is periodically varied or pulsed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shamim Ahmed whose telephone number is (571) 272-1457. The examiner can normally be reached on M-Thu (7:00-5:30) Every Friday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nadine G Norton can be reached on (571) 272-1465. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Shamim Ahmed Examiner Art Unit 1765

SA September 16, 2004